

# EASTERN AREA

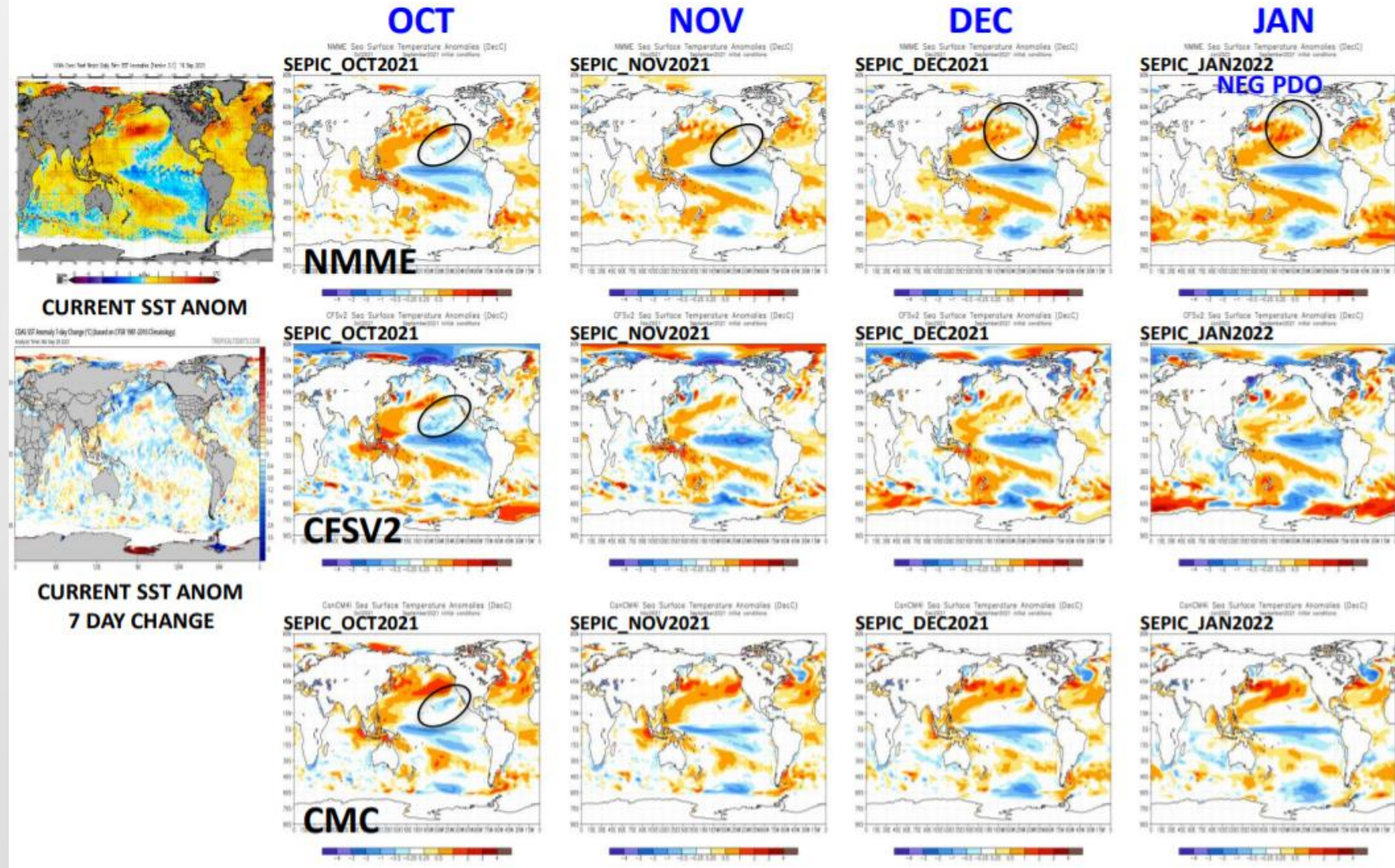
## 2021 Fall Fire Potential Outlook



# ENSO (EL NINO/LA NINA) TRENDS

- ENSO refers to central Pacific Sea Surface Temperatures (SSTs)
- Neutral (Near normal SSTs) expected through the Fall of 2021 by longer term models possibly transitioning to La Nina or cooler than normal SST's later in 2021.

## GLOBAL/ENSO REGION SST ANOM **MONTHLY** SST FORECASTS – US-CANADIAN



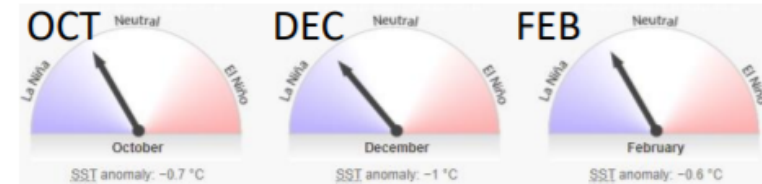


# ENSO (EL NINO/LA NINA) FORECAST

## ENSO ASSESSMENT SUMMARIES/UPDATES and HEADLINES SUMMARY: COOLING

### BOM SEP 14 ENSO LA NINA WATCH

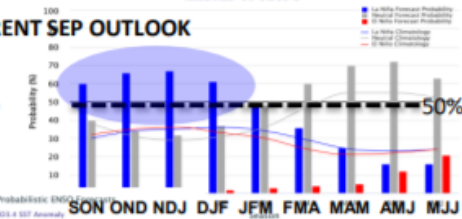
ESNO remains neutral but model outlooks and recent cooling have increased chance for La Nina.



### CPC/IRI SEP 08 LA NINA WATCH

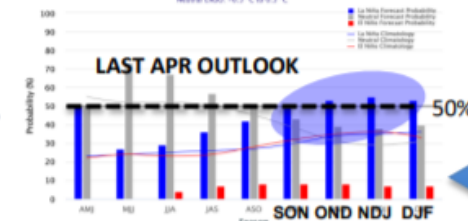
A transition from ENSO neutral to La Nina is favored for the next couple of months. 70-80% chance for La Nina during winter.

#### CURRENT SEP OUTLOOK



The probabilistic forecast trends from Apr to current Aug continues to reflect the increasing chances for ENSO cooling.

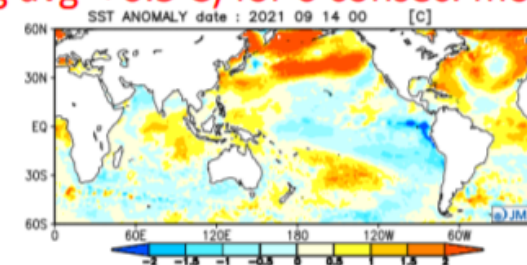
#### LAST APR OUTLOOK



### JMA (TOKYO CLIMATE CENTER) SEP 10 ENSO neutral (70%) until boreal winter

JMA's prediction model suggests warmer than average SSTs conditions and stronger than average convective activity in western Eq. Pacific will maintain easterly wind anomalies until autumn. **Strict La Nina definition (5-month moving avg  $< 0.5^{\circ}\text{C}$ ) for 6 consec. months unlikely.**

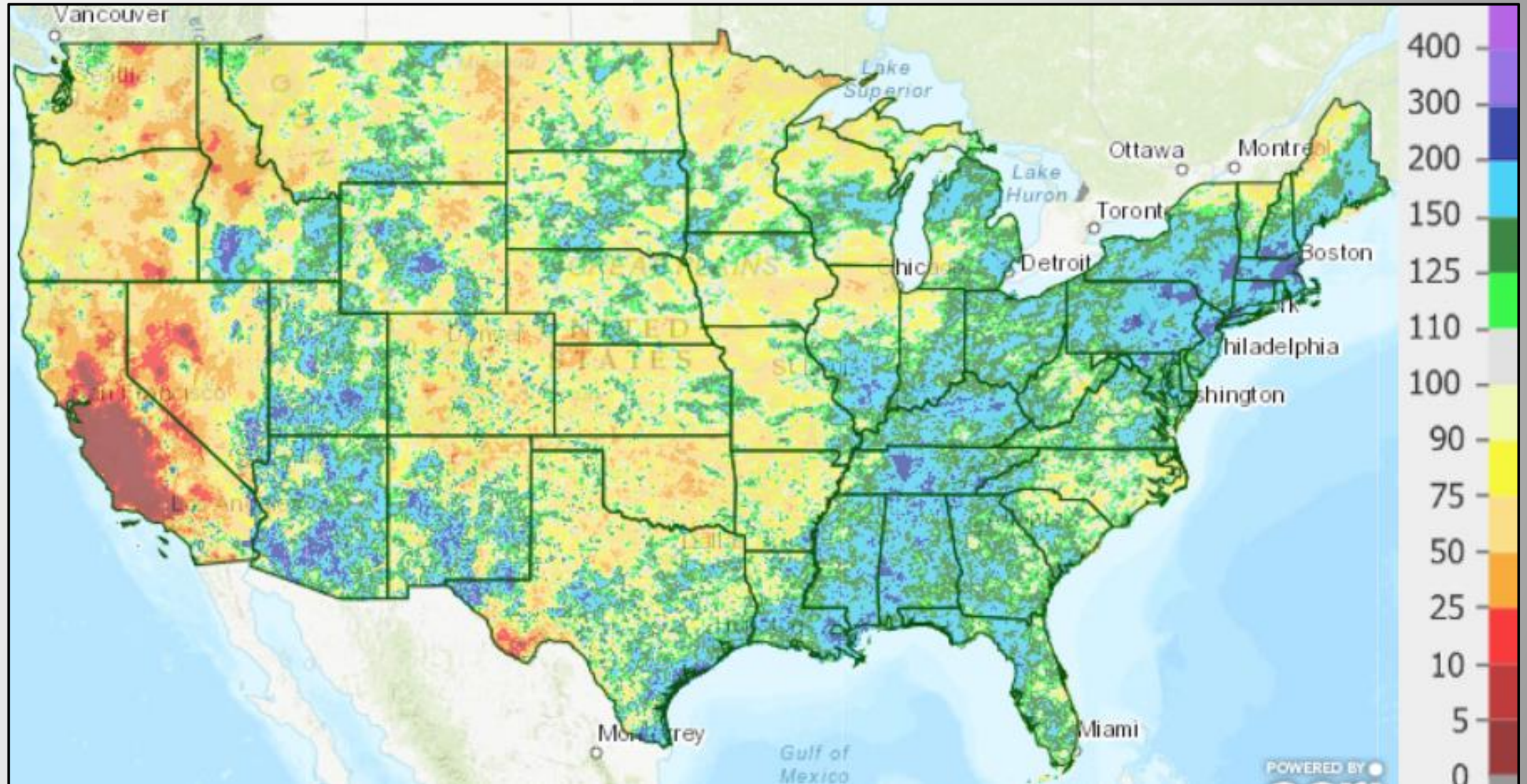
#### WEEK 3/4 SST ANOM MEAN



**JAMSTEC SEP – UPDATE NOT AVAILABLE. Lack of info due to security incident**

# 90 DAY PERCENT OF NORMAL PRECIPITATION

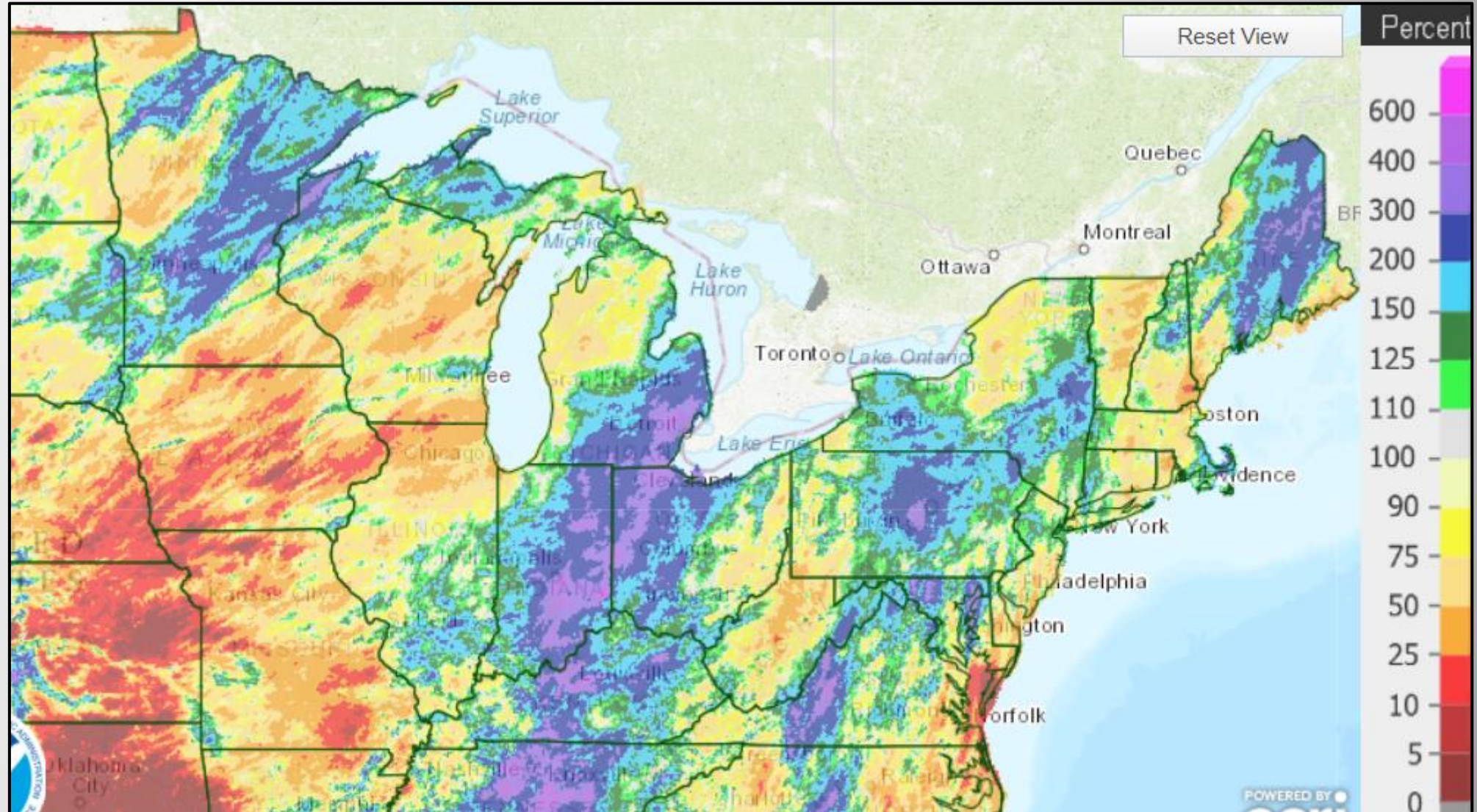
September 27, 2021





# 14 DAY TOTAL ACCUMULATED PERCENT OF NORMAL PRECIPITATION

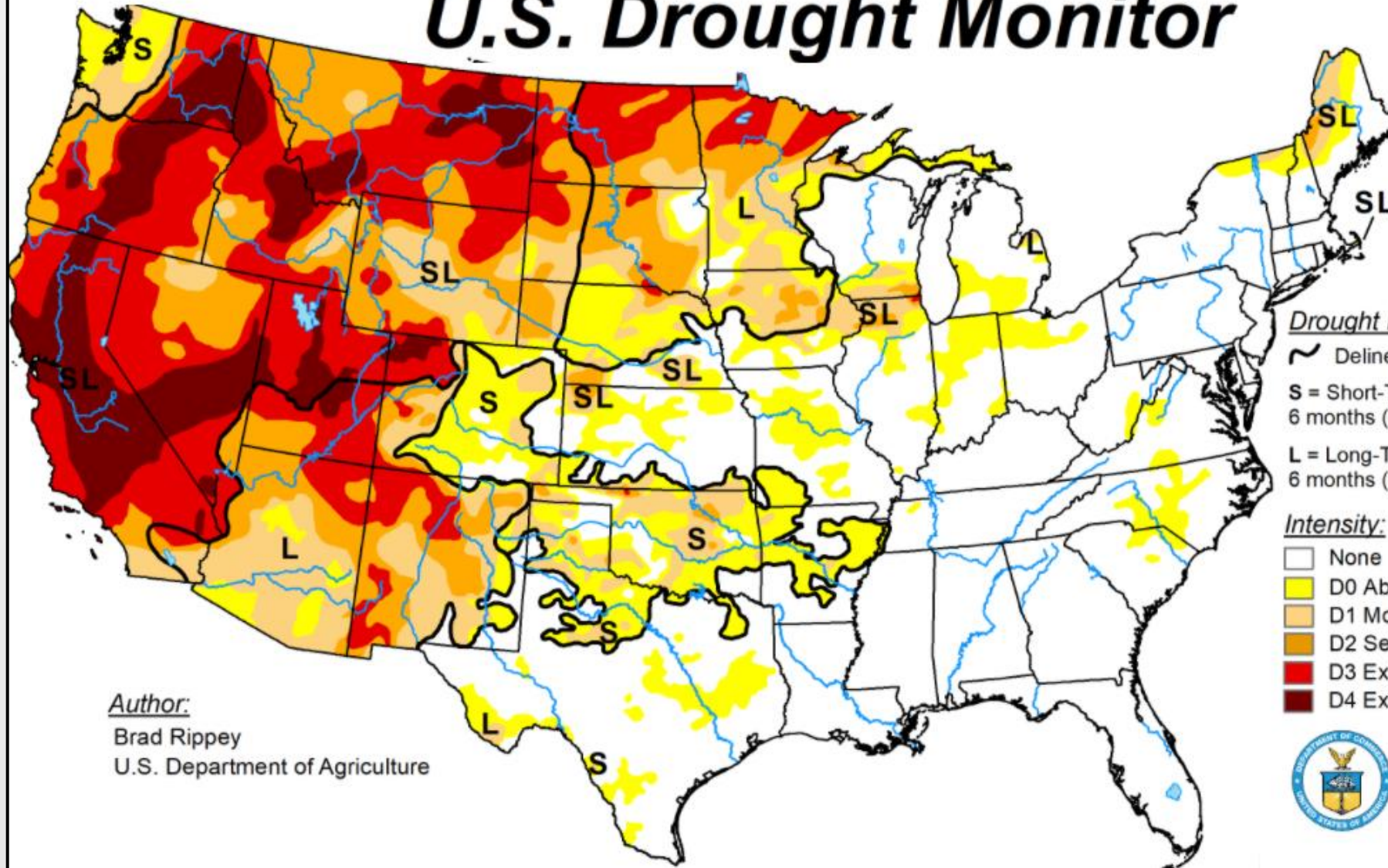
September 27, 2021





# US DROUGHT MONITOR (SEPTEMBER 21, 2021)

## U.S. Drought Monitor



**September 21, 2021**  
(Released Thursday, Sep. 23, 2021)

Valid 8 a.m. EDT

### Drought Impact Types:

~ Delineates dominant impacts

**S** = Short-Term, typically less than 6 months (e.g. agriculture, grasslands)

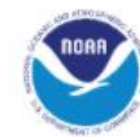
**L** = Long-Term, typically greater than 6 months (e.g. hydrology, ecology)

### Intensity:

- None
- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

### Author:

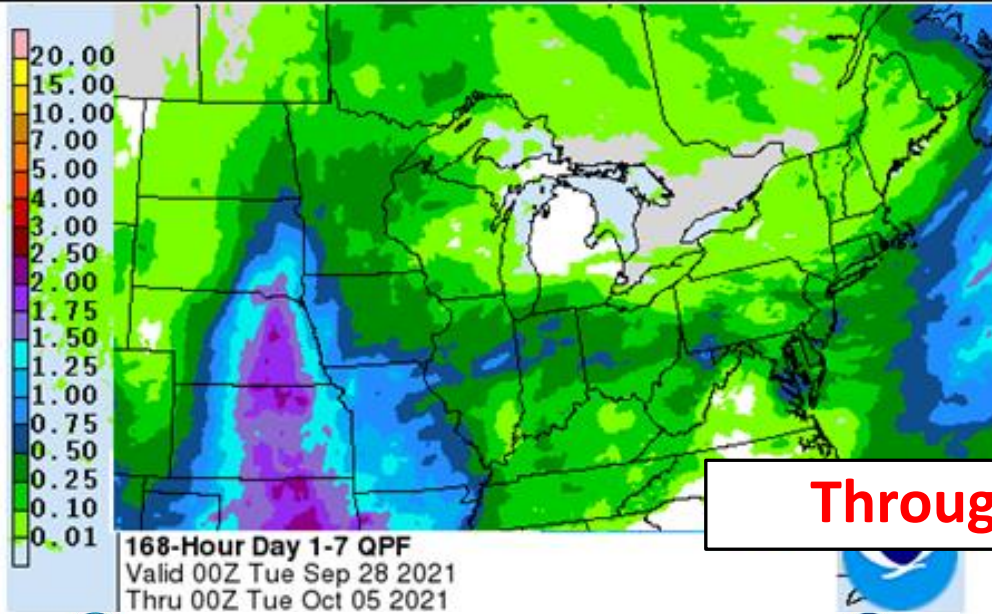
Brad Rippey  
U.S. Department of Agriculture



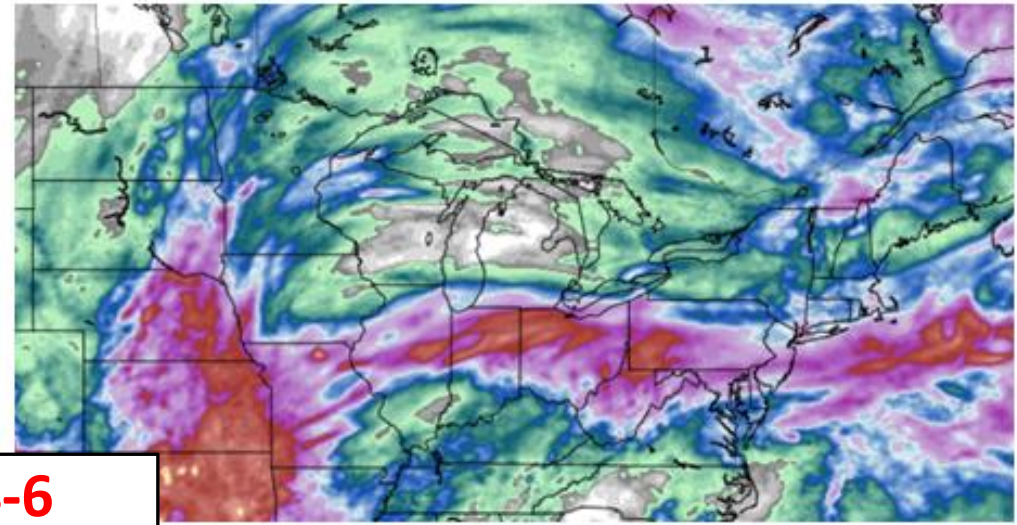


# WEATHER TRENDS INTO EARLY OCTOBER 2021

## 7 Day Total Precipitation Forecast



## European Model Total Precipitation Forecast through 10/6/2021



Through Oct 4-6

## 8-14 Day Temperature Outlook

Valid: October 4 - 10, 2021  
Issued: September 26, 2021

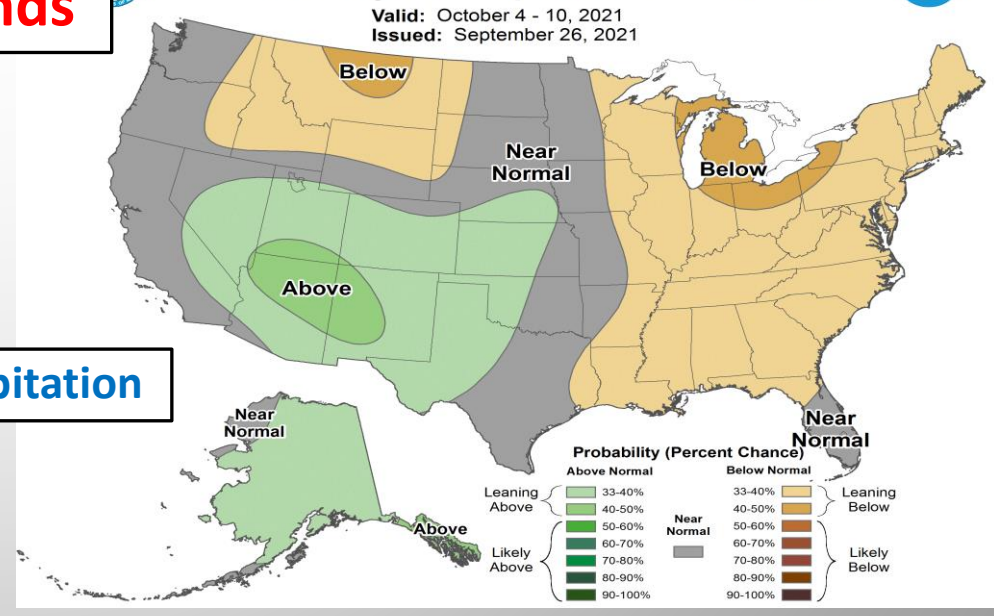
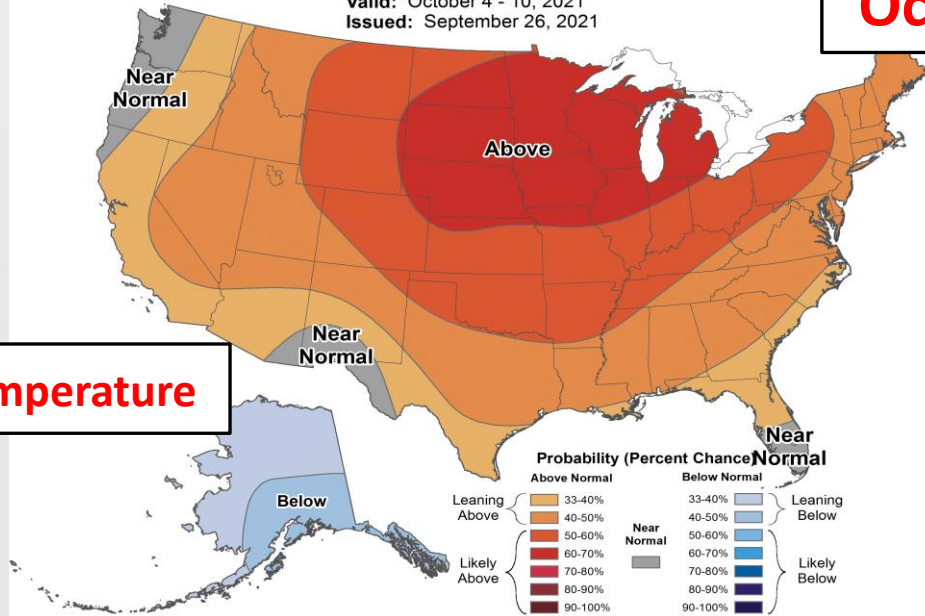
Oct 4-10 Trends

## 8-14 Day Precipitation Outlook

Valid: October 4 - 10, 2021  
Issued: September 26, 2021

Temperature

Precipitation



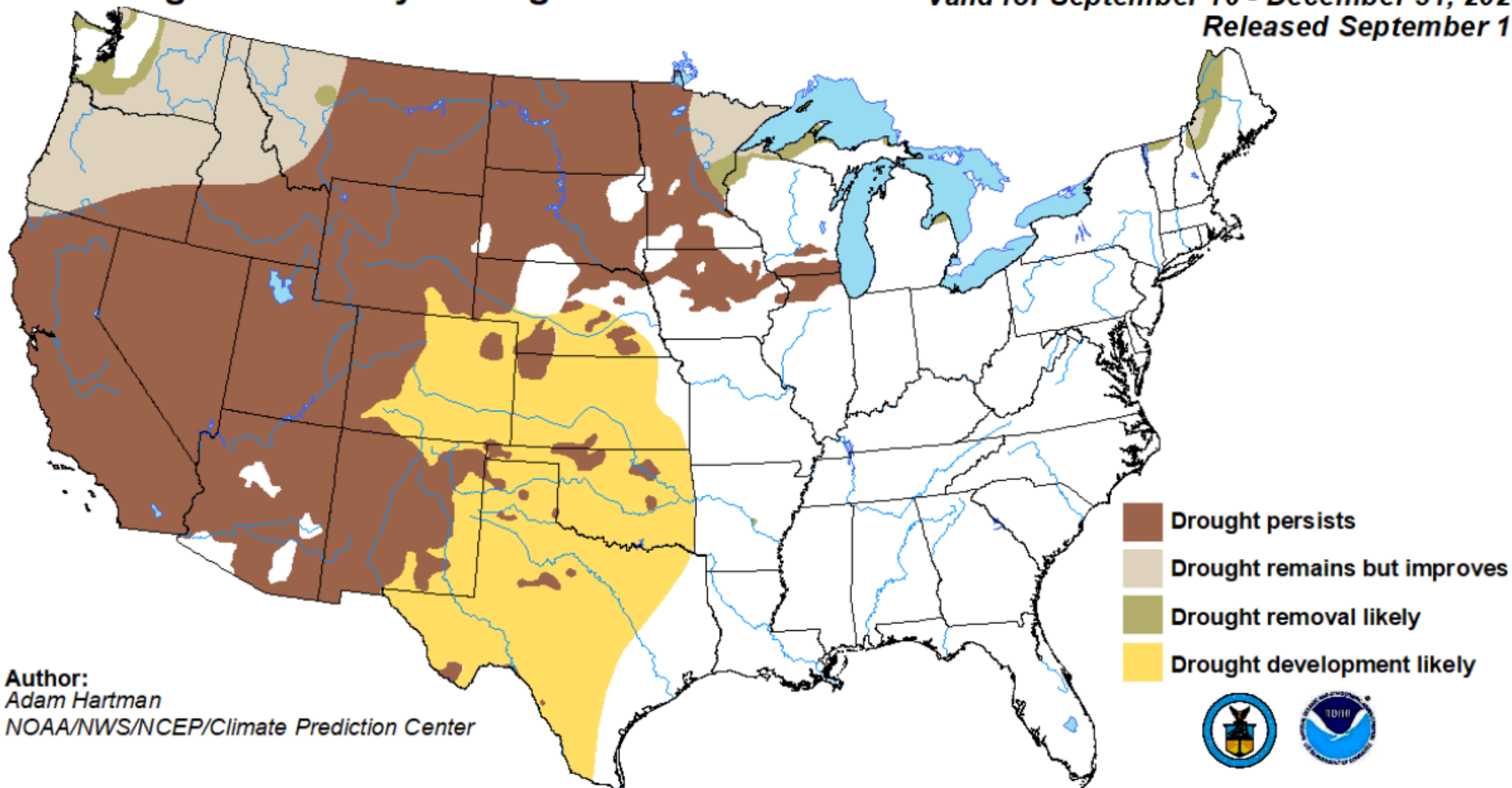
# US SEASONAL DROUGHT OUTLOOK THROUGH DECEMBER 2021

## ***U.S. Seasonal Drought Outlook***

**Drought Tendency During the Valid Period**

*Valid for September 16 - December 31, 2021*

*Released September 16*



**Author:**  
Adam Hartman  
NOAA/NWS/NCEP/Climate Prediction Center





# PREDICTIVE SERVICES TEMP/PRECIP OUTLOOKS

## Predictive Services Temperature and Precipitation Outlooks

### Temperature



Below Normal =



Above Normal =



### Precipitation



Below Normal =

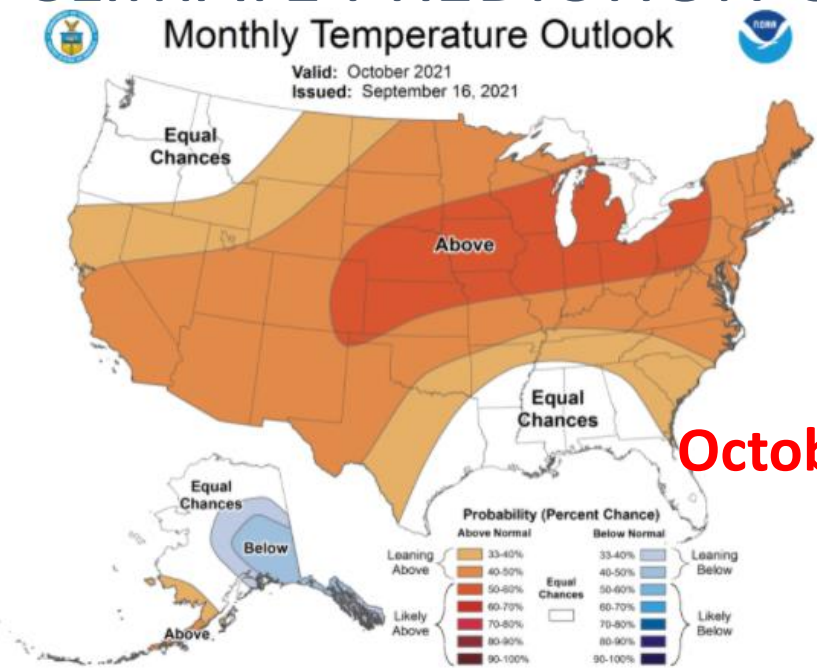


Above Normal =

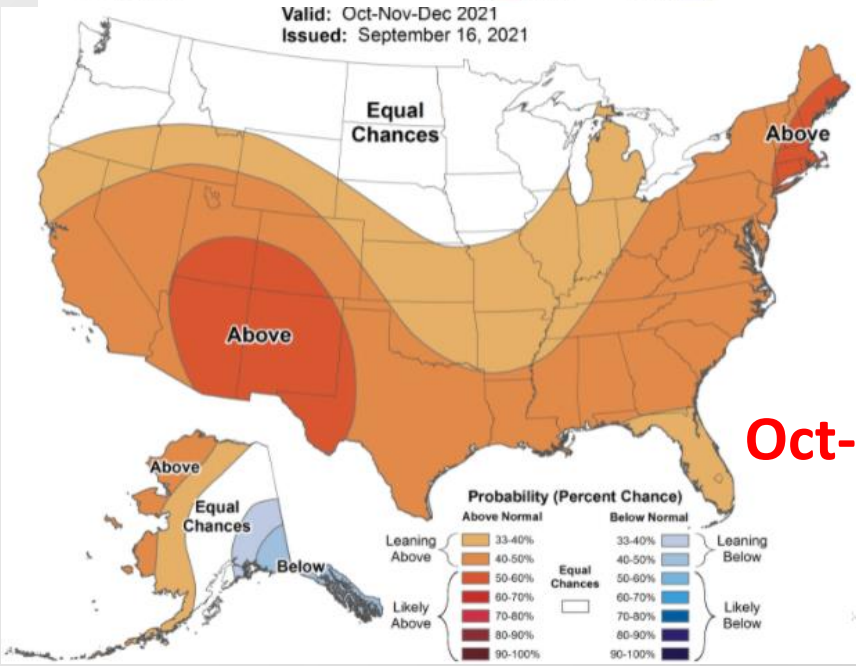
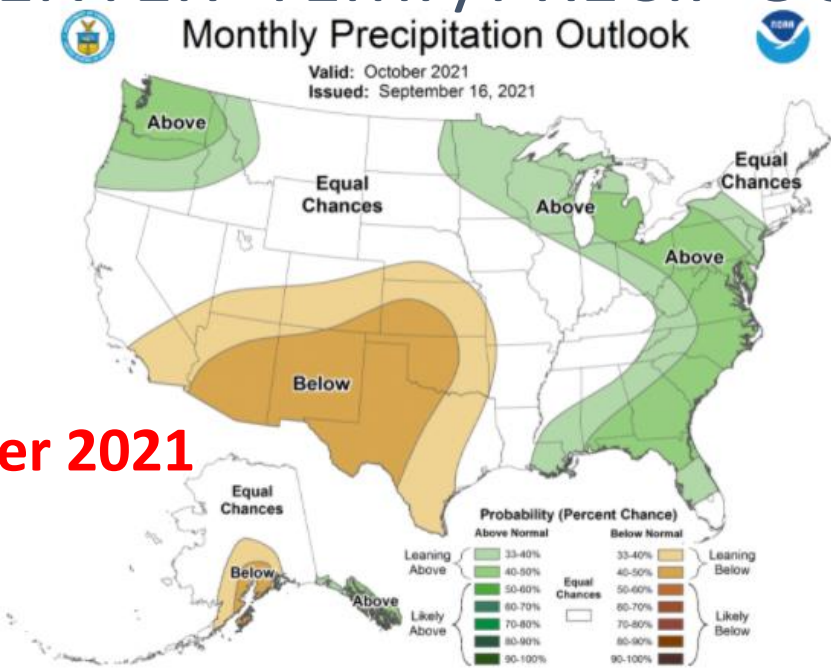




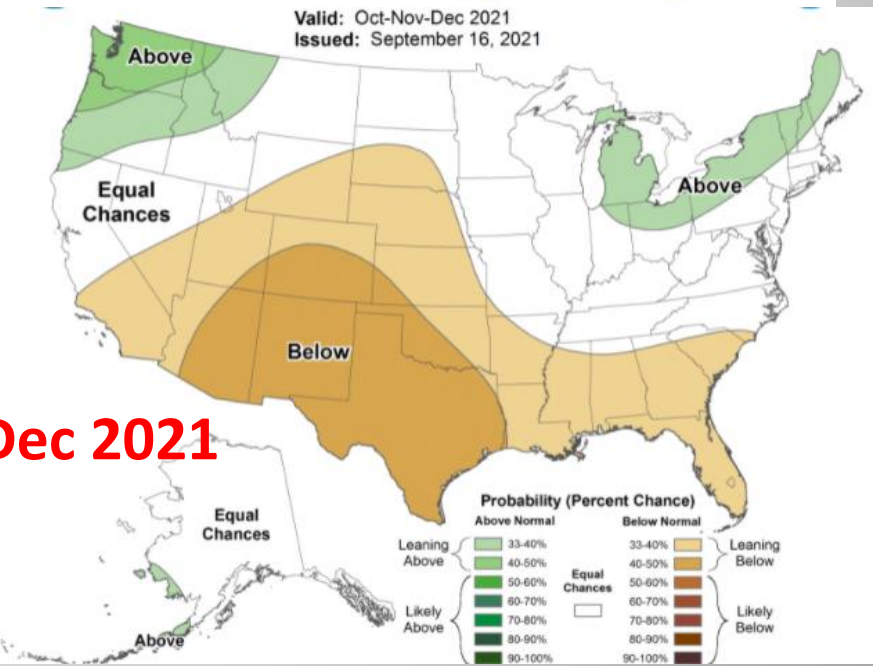
# NOAA CLIMATE PREDICTION CENTER TEMP/PRECIP OUTLOOKS



October 2021

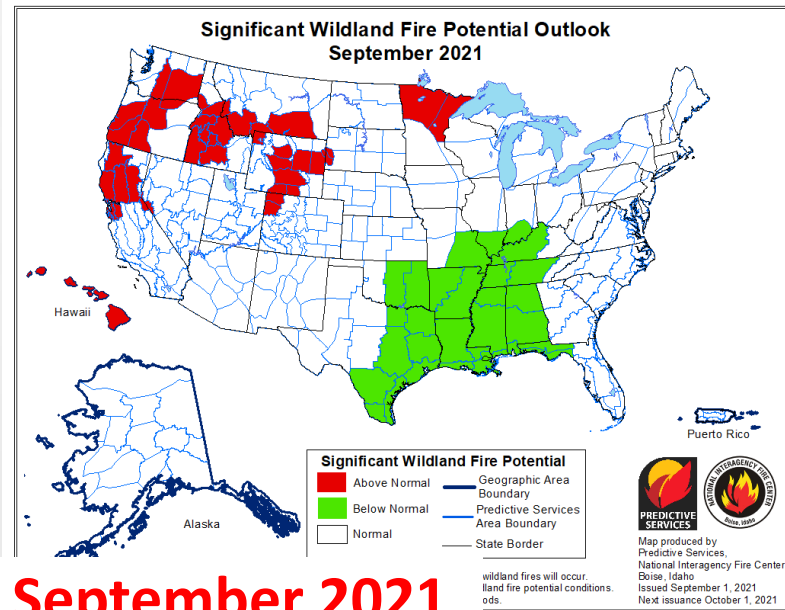


Oct-Dec 2021

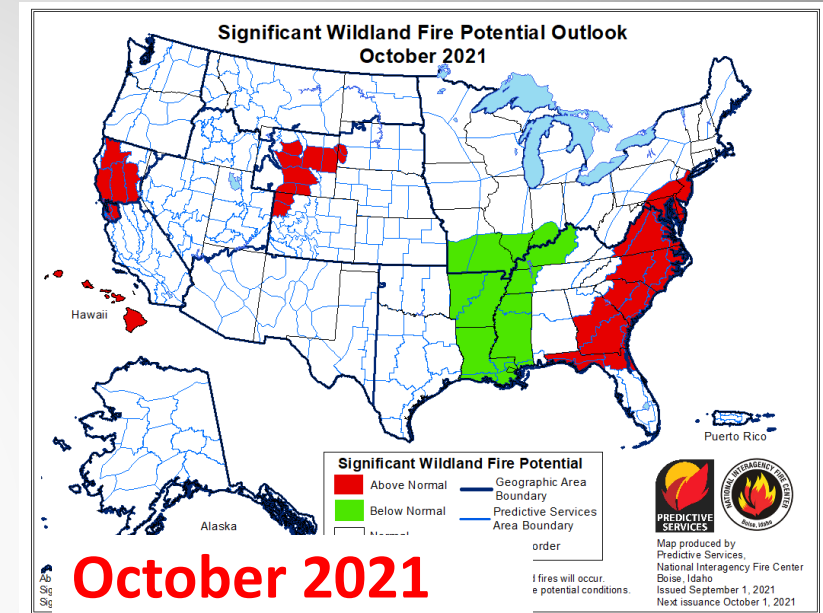




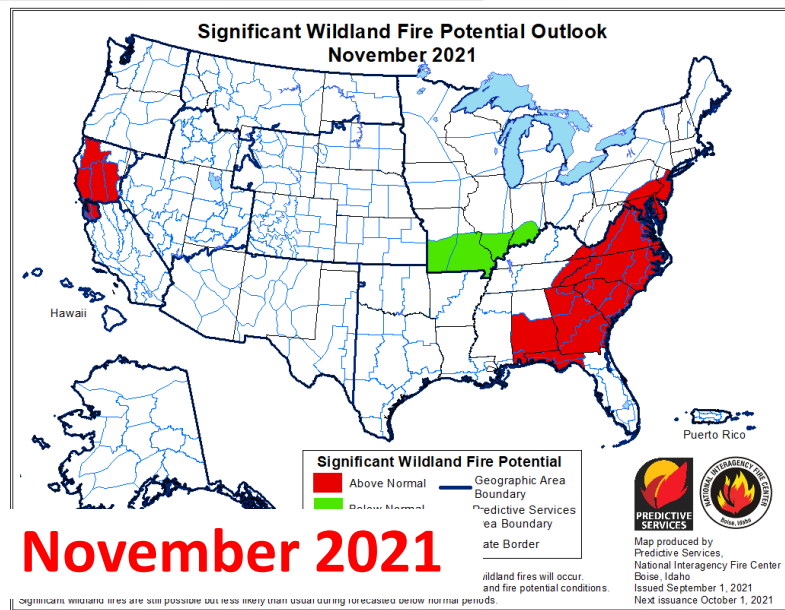
# PREDICTIVE SERVICES FIRE POTENTIAL OUTLOOK MAPS



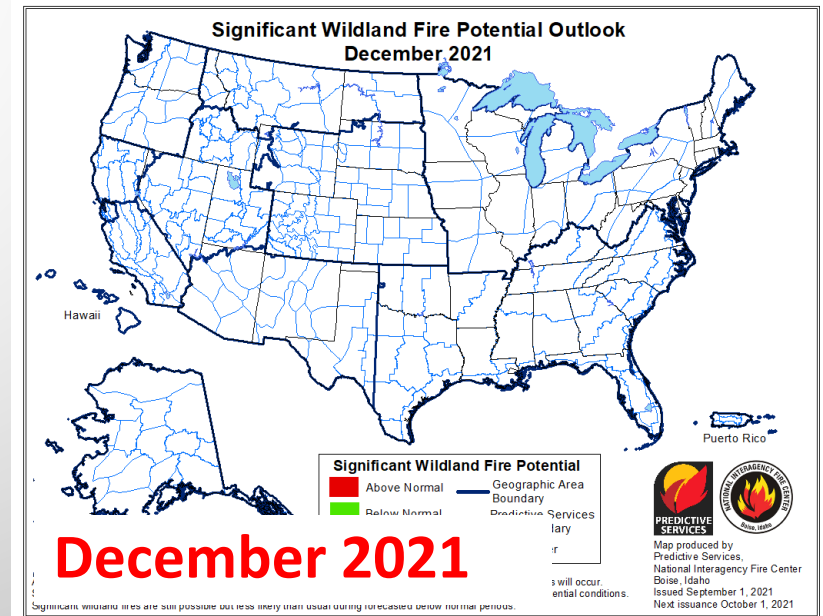
**September 2021**



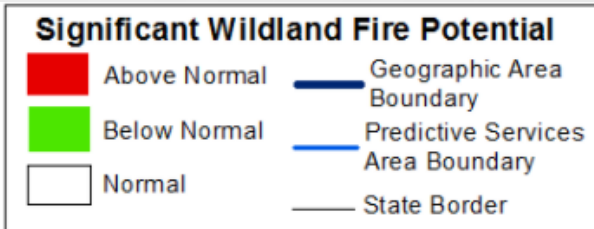
**October 2021**



**November 2021**



**December 2021**





# QUESTIONS/COMMENTS?

